KAIZENOVA TECHNOLOGIES LLC d/b/a TEK2KAREER

Module Catalog

Module 1 — Software Quality Assurance (96 Hours)

This module is an instructional component of the **Software Quality Assurance & Automation Specialist Certificate (CIP 11.0201)**.
It is **not** a stand-alone licensed program.
A state-licensed certificate is issued **only after completing both Module 1 and Module 2** of the full certificate program.

MODULE OVERVIEW

Module 1 of the Software Quality Assurance & Automation Specialist Certificate provides a complete foundation in manual software testing, QA processes, and Agile quality practices used across IT, web, mobile, and automotive industries.

This module focuses on:

- Fundamental software testing concepts

- Test planning and documentation

- Defect lifecycle management

- Agile QA (Scrum processes & sprint testing)

- QA metrics and reporting

- Tools: Jira, TestRail, Google Workspace, GitHub

- Hands-on real-world QA project execution

Students will complete a **Manual QA Capstone Project**, testing a sample application end-to-end using professional QA documentation and defect reporting workflows.

MODULE OBJECTIVES

At the end of this 96-hour module, students will be able to:

QA Foundations

✓ Explain SDLC, STLC, Waterfall, Agile, and V-Model
✓ Analyze requirements and trace them to test cases
✓ Create test plans and test suites

Manual Testing

✓ Execute functional, integration, regression, smoke, usability, and exploratory tests

✓ Apply test design techniques (Boundary Value, Equivalence Partitioning, Decision Tables)

✓ Document results and defects professionally

Defect Management

✓ Use Jira and TestRail to log and track bugs

✓ Apply severity/priority

✓ Communicate with developers and other teams

Agile QA

✓ Participate in sprint ceremonies

✓ Perform sprint testing, acceptance testing, and story validation

✓ Use Jira boards for Agile workflow management

Professional QA Documentation

✓ Write test plans, test cases, test reports

✓ Create traceability matrices

✓ Evaluate quality metrics (pass rates, defect density, stability analysis)

DETAILED COURSE OUTLINE (96 HOURS)

Week	Topic	Skills / Tools Covered
1–2	Introduction to QA, SDLC, STLC	Phases of SDLC/STLC, roles in QA
3–4	Software Testing Principles	Test objectives, test conditions, QA vs QC
5–6	Test Design Techniques	Equivalence Partitioning, BVA, State Transition
7–8	Test Case Development	Template design, acceptance criteria
9–10	Test Execution	Manual test execution, scenario walkthroughs
11–12	Defect Lifecycle	Severity/priority, defect workflows
13–14	Jira/TestRail	Logging defects, dashboards, reporting
15–16	Agile QA	Scrum, Kanban, sprint-based QA
17–18	Regression, Smoke, Ad-Hoc Testing	Maintenance testing, quality gates
19–20	Benchmarking & Exploratory Testing	Feature comparisons, usability

Week	Topic	Skills / Tools Covered
21–24	Final Capstone Project	End-to-end manual test plan + execution

MODULE LENGTH & SCHEDULE

- **Total Hours:** 96 hours

- **Length:** 24 weeks

- **Schedule:** 2 days/week × 2 hours/session = 4 hours/week

- **Format:** Online instruction + hands-on labs + homework + capstone

TUITION & FEES

Item	Cost
Module 1 Tuition	$5,000
Registration Deposit (required at enrollment)	$1,000

Payment Plan Options

Students may pay the remaining balance in equal monthly installments during the module.

Accepted Payment Methods

Zelle, Venmo, PayPal, Stripe, Square, Credit/Debit Card.

REFUND POLICY (LEO-Compliant)

Timing	Refund
7+ days before module start	100%
After 1–2 months	50%
After 3–4 months	25%
After 4 months	No refund

Refunds processed within **14 business days** after written request sent to: **info@tek2kareer.com**

ADMISSION REQUIREMENTS

- High school diploma, GED, or equivalent

- Basic computer literacy

- Proficiency in English (reading/writing)

- Government-issued photo ID

- Completion of Registration Form & Enrollment Agreement

ATTENDANCE POLICY

- Minimum **80% attendance** required

- Late arrivals count toward absentee limits

- Documented emergencies may be excused

- Excessive unexcused absences may result in dismissal

GRADING POLICY

Component	Weight
Weekly Assignments	40%
Lab Work	30%
Capstone Project	30%

Minimum passing grade: 70%

COMPLETION REQUIREMENTS

To complete this module, students must:

✓ Attend minimum 80% of scheduled sessions
✓ Submit all assignments and quizzes
✓ Complete all hands-on labs
✓ Complete the Manual QA Capstone Project
✓ Maintain a minimum 70% final grade
✓ Be current on all tuition payments

Completion of Module 1 alone **does NOT** award the state-licensed certificate.
Completion of **both** modules (Module 1 + Module 2) is required.

TOOLS & RESOURCES PROVIDED BY SCHOOL

- Tutor LMS platform
- Zoom for live instruction
- Jira
- TestRail
- GitHub
- Google Workspace
- Microsoft Office
- Sample test environments for practice

Student Equipment Requirements

- Laptop or desktop computer
- Webcam & microphone
- Stable internet connection

INSTRUCTOR QUALIFICATIONS

Instructors for this module meet LEO-required teaching standards and have:

- 5+ years experience in Software QA/Testing
- Industry experience in Agile software development
- Proficiency with Jira, TestRail, Selenium, GitHub
- Experience training or mentoring QA teams
- Bachelor's degree or equivalent industry background

DISCLAIMER

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Students must complete both **Module 1 and Module 2** to earn the state-licensed certificate.